

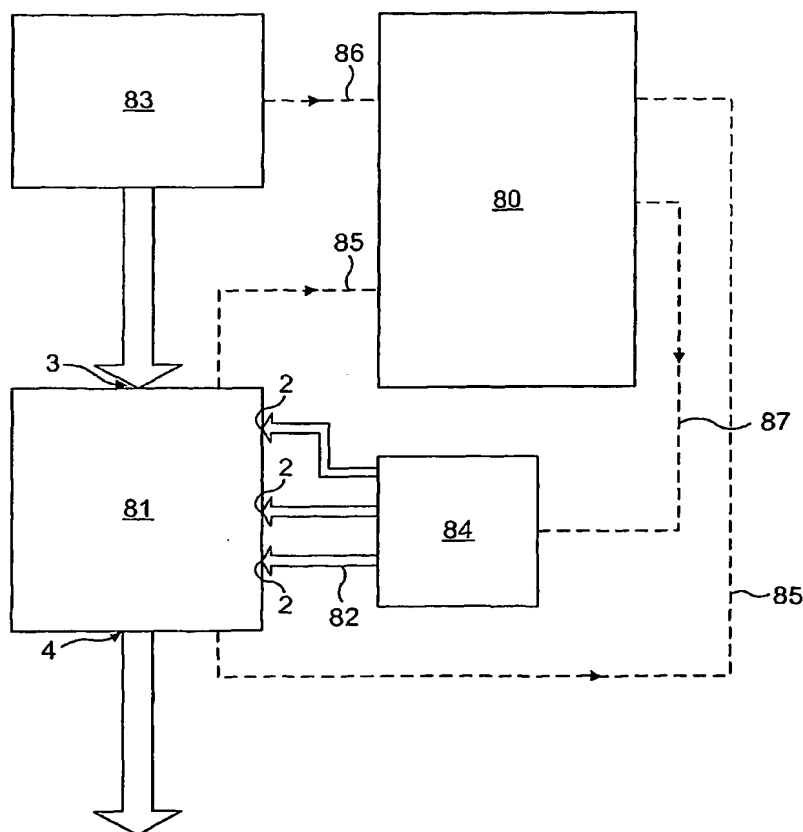


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0409568.3 29 April 2004 (29.04.2004) GB</p> <p>(71) Applicant (for all designated States except US): THE BOC GROUP PLC [GB/GB]; Chertsey Road, Windleshams, Surrey GU20 6HJ (GB).</p> <p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (for US only): MANSON, David,</p> | <p>Paul [GB/GB]; BOC Edwards, Unit 2, 23 Dolphin Road, Shoreham by Sea., West Sussex BN43 6PY (GB). LASKEY, Kristian [GB/GB]; BOC Edwards, Unit 2, 23 Dolphin Road, Shoreham-by-Sea, West Sussex BN43 6PY (GB).</p> <p>(74) Agent: BOOTH, Andrew, Steven; The Boc Group Plc, Chertsey Road, Windleshams, Surrey GU20 6HJ (GB).</p> <p>(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.</p> |
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(54) Title: CLEANING METHOD OF A ROTARY PISTON VACUUM PUMP



(57) Abstract: A method for managing deposits within a pump mechanism (81) is provided. Fluid suitable for dissolving, diluting or otherwise disengaging deposits which have accumulated on the internal working surfaces of the pump is brought into contact with the mechanism. The performance of the pump is monitored and this data is used together with process data received from, or associated with, a tool (83) being evacuated by the pump to calculate (80) fluid flow characteristics which are required to compensate for the accumulation of deposits on the internal working surfaces of the pump. Fluid is then introduced (2, 84) into the pumping mechanism in accordance with the calculated characteristics.



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